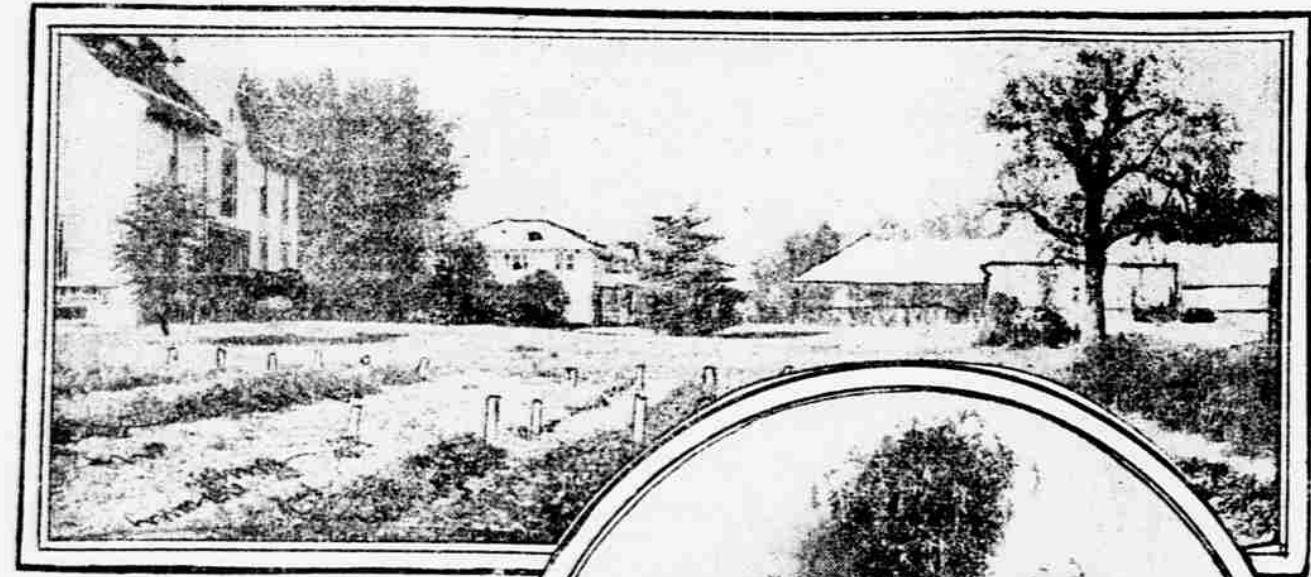


AGRICULTURISTS WILL GIVE PRACTICAL LESSONS TO FARMERS IN CAR WHERE PRODUCTS ARE EXHIBITED.



IRRIGATION OF STRAWBERRIES.
Department of Horticulture, Missouri Agricultural Experiment Station.

Series of Twelve Meetings Are Being Held in Missouri and Arkansas Towns.

DATES OF MEETINGS.

- Missouri
- New Haven—Monday, December 8, sessions 10 a. m., 120 p. m. and 7 p. m.
- Knobloster—Tuesday, December 9, same sessions.
- Versailles—Wednesday, December 10, same sessions.
- California—Thursday, December 11, sessions 1 p. m. and 7 p. m.
- Eldon—Friday and Saturday, December 12 and 13, sessions 9 a. m., 120 p. m. and 7 p. m. Friday and 9 a. m. Saturday.
- Victoria—Monday, December 15, sessions 10 a. m., 120 p. m. and 6:30 p. m.
- Potosi—Tuesday, December 16, same sessions.
- Lutesville—Wednesday, December 17, sessions 10 a. m., 120 p. m. and 7 p. m.
- Fredericktown—Wednesday, December 17, 3 p. m. and 7 p. m.
- Farmington—Thursday, December 18, sessions 10 a. m., 120 p. m. and 7 p. m.
- Ironton—Friday, December 19, same sessions.
- Douglas—Saturday, December 20, sessions 120 p. m. and 7 p. m.
- Arkansas
- Clarksville—Monday, December 22, same sessions.

The Missouri State Board of Agriculture, in co-operation with the State Agricultural College and Experiment Station, began a campaign of education among the farmers of Missouri and Arkansas last Monday.

A series of twelve meetings has been arranged for Missouri.

The Missouri Farmers' Institute members of the past have been productive of such good results that a departure has been decided upon. An exhibit car is a feature at every meeting.

This car carries a complete outfit of spray pumps, specimens of insects which are injurious to fruit, specimens of various diseases, some of the principal grasses grown in the States, and samples showing the influence of fertilizers. It is equipped for the purpose of showing to the farmers of any particular community the most interesting.

For those sections of Missouri where dairying is the most important feature, the car will be a traveling dairy school, and all the practical points connected with the production of milk, dairy manufacturing, packing, judging and marketing will be fully demonstrated.

In another section, where the fruit interests dominate, the car will be converted into a traveling horticultural school, showing special equipment bearing upon this subject.

Where the live-stock interests are paramount, typical specimens of stock will be carried and demonstrations of how to judge animals for the different purposes will be made.

This feature has been made possible by the management of the Missouri Pacific Railway Company, which has agreed to transport the exhibit car free over its lines. The meetings are being held at points on this line of railway.

In the party accompanying the car are: George B. Ellis, secretary of the State Board of Agriculture; H. J. Waters, dean and director of the State Agricultural College; J. C. Whitten, State horticulturist; J. M. Steadman, State entomologist; and Professor E. D. Mumford, who is recognized as an eminent authority on dairy and live-stock matters. D. E. King, general traveling freight agent of the Missouri Pacific and the Iron Mountain, accompanies the party.

The placing of the exhibit car at the disposal of the State Board of Agriculture, with free transportation, is in line with the recent action of all of the railroads of the Southwest, by agreeing to unite in a definite plan for the development of an extensive country equal in area to more than the half of Europe. The southern half of Missouri is included.

NEW ILLINOIS PLANNING INDUSTRY.
The present agitation marks the beginning of a new era in the development of the farming industry. And the educators and the developers are necessity makers. It is no longer necessary to discuss with the intelligent farmer the necessity for some kind of educational effort to improve his methods in farm operations. The man who uses his hands only must be helped, but the man who uses his intellect to direct his hands will succeed.

The Missouri officials have consented to give one day of the trip to the fruit belt of Arkansas. The trip through Missouri will extend from December 8 to December 21. On December 22 the Missouri car will visit Clarksville, Ark., as the guests of the Missouri Pacific Railway, and while there meetings will be held in the afternoon and evening.

This trip into Arkansas by the Missourians is considered as a compliment to the State, and Johnson, Pope, Franklin and the people of Johnson County have an opportunity to attend. Professor R. L. Bennett, director of the Arkansas State Experiment Station, Fayetteville, is expected to be present and take a part in the discussions.

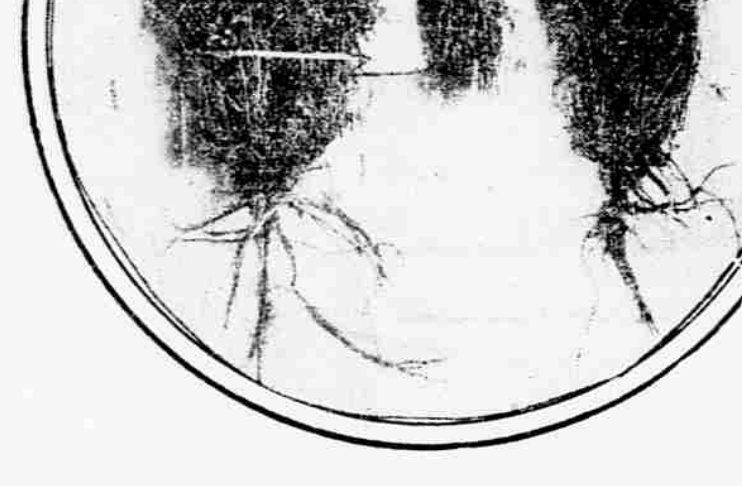
The Farmers' Institute work of the United States is fast becoming one of the great educational institutions of the country.

In Missouri the first appropriation made by the Legislature to carry on the work was about twelve years ago. In the first year about fifteen meetings were held, under many difficulties, and against much prejudice. But the work has been improved and has become a very popular means for the dissemination of knowledge relating to agriculture, horticulture, live-stock breeding and feeding, domestic science, the improvement of rural schools, and for many other purposes.

The progress of the work is shown by the fact that last year 125 meetings were held. These meetings were attended by more than 25,000 people.

ABLE TEACHERS TO ASSIST.
The Missouri Agricultural College will heartily co-operate with the State Board of Agriculture, and furnish some of the ablest teachers of agricultural science from the institution to assist in the meetings.

In a great many places the farmers will



ALPACA, SECOND CUTTING.
Two representative plants of a new stock for Missouri soil.

make up an exhibit of grain, grass, fruits, vegetables, etc., which besides having an educational value, will be a very attractive feature of these meetings. In some places floral premiums will be offered by merchants and other public-spirited citizens for the best of these exhibits.

The State of Missouri, at a big expense, maintains an experimental farm at Booneville, where for years experiments have been conducted to test the best and most economical methods of improving crops, to find out what varieties of grain and grasses are best adapted to the different soils to discover the best methods of cultivation, to determine the effect of different crop rotations, to ascertain the feeding value of different crops, to learn what is the most profitable combination of feed stuffs, to prove what is the best type of animal adapted for a given purpose, to learn what insects are injurious and what are beneficial to crops, to learn something of the diseases of plants and animals, and to remedy, and to learn a great many other things that affect the farmer's profits every season of the year.

Every farmer cannot visit the Experiment Station and learn what is being done there. In his behalf, and for this reason, the management has arranged to carry some of the work of the station directly to the farmer through these public meetings. The exhibit car has been built upon the best method.

According to the last census, Missouri has the largest number of farmers deriving their chief revenue from the sale of live stock of any State in the Union. This tendency on the part of the farmers to engage in live-stock raising is considered commendable by the State authorities, and it will be encouraged.

It is asserted that practically all of the permanently prosperous agricultural communities of the world have found their prosperity to be based upon the live-stock husbandry.

BENEFITS TO THE FARMER.
The Missouri educators claim that by improving the quality of the stock, the profits of the farmer may be easily tripled. By and cheaply increased. Stock which will be ready for the market at between 1 and 2 years of age, weighing from 1,000 to 1,200 pounds, and bringing from 5 to 8 cents a pound, may be had and sold practically as cheap as and as easily as a class of stock that weigh less than 600 pounds and bring only 3 or 4 cents. At these meetings special efforts will be laid upon the production of a profitable live animal, the qualities of a good feeder and a good mother, the methods of breeding, judging, feeding and marketing the animal.

Four features will attend each meeting. And in the live-stock exhibit the farmer will be illustrated by photographs, models, painting and stereoscopic views of live animals which have been produced under similar conditions to those found on the average Missouri farm. It is stated that perhaps not over 2 per cent of the live stock of any community will guide on the market as strictly choice. The way will be pointed out by which the farmer may improve his stock to 20 or 30 per cent, and the value of all the cattle more than doubled, without materially increasing the cost of breeding and raising them.

It will be shown that by a proper combination of food stuffs which may be grown upon every farm, and without any additional expense, every head of stock may be made to bring from 5 to 10 cents more than it now brings. This item alone will mean an average annual increased return to the farmer in Missouri of between \$200,000 and \$500,000. This would represent a net increase due to more intelligent methods of feeding. Farmers now waste food stuffs, such as corn fodder, which when properly combined with other materials, will bring to Missouri feeders over \$200,000 every year.

WILL CONSIDER FRUIT.
Another important way of increasing the return from live stock is the converting of practically unproductive land that is now used for raising stock into rich and productive pastures. The results of years of experiments in the cheapest and best methods of converting these rough lands into rich pastures will be shown by the exhibiting, together with photographs and specimens of grasses adapted to the different soils and different sections of the State. Fruit growing will be given much attention.

The last census shows that Missouri has the largest number of fruit trees planted of any State in the Union. When these orchards come into bearing, Missouri will be the leading fruit-growing State in America. Special attention will be given to all problems relating to fruit growing, including the varieties to plant, location of the orchards, the planting, pruning and management of trees, spraying against injurious insects and diseases. Demonstrations will be made at each meeting, showing how to prune, the proper way to dig, how to graft, how to mix spraying materials for the best effect, and how to apply them. Collections of injurious insects, injurious and beneficial, will be exhibited, as well as specimens of fruits and trees affected with various diseases.

The lessons in horticulture will cover the peach and plum orchards, strawberry culture, vegetable growing, marketing of fruit and vegetables. Lectures will be given on the dissemination of knowledge relating to agriculture, horticulture, live-stock breeding and feeding, domestic science, the improvement of rural schools, and for many other purposes.

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IN REGARD TO MATTERS OF ETIQUETTE.

I have received an "at home" card for the late part of next week and expect to attend. It is necessary to arrive at the house at the time specified in the card, and to be ready to leave at the time specified. It is also necessary to be ready to leave at the time specified. It is also necessary to be ready to leave at the time specified.

You should leave your card at the afternoon reception, rather than giving it to the servant at the door or leaving it on the table. It should be placed in the pocket of the hostess.

After the reception the hostess looks over the cards that are left and can then tell what is to be done at the dinner.

Will you kindly call on the hostess at the time specified in the card? It is necessary to arrive at the house at the time specified in the card, and to be ready to leave at the time specified. It is also necessary to be ready to leave at the time specified.

A dinner card is not a card of invitation to a social gathering, but a card of invitation to a social gathering. It is necessary to arrive at the house at the time specified in the card, and to be ready to leave at the time specified. It is also necessary to be ready to leave at the time specified.

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KNIGHTS OF FATHER MATHEW WILL ERECT STATUE OF HIM IN ST. LOUIS.

Members of the Organization Propose to Unveil Monument in August, 1914. When Convention of Catholic Total Abstinence Union of America Will Be in Session Here.



DR. P. E. HANE, MEDICAL DIRECTOR.
THE REV. J. T. COFFEY, SUPREME SPIRITUAL DIRECTOR.
FRANK J. KINSELLA, DEPUTY CHIEF KNIGHT.
WILLIAM H. O'BRIEN, SUPREME CHIEF KNIGHT.
E. J. RICHARDSON, CHIEF KNIGHT.
E. J. RICHARDSON, CHIEF KNIGHT.

For the past several years the Knights of Father Mathew have been erecting a statue of Father Mathew in St. Louis. The statue is now in the hands of the sculptor, and will be unveiled in August, 1914.

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